



COFC/4/1
CC

648.40708X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): T. YOSHIDA, et al
Serial No.: 09/964,333
U.S. Patent No.: 6,917,676 B2
Issue Date: July 12, 2005
Filed: September 28, 2001
For: TELEPHONE SET, REPEATING DEVICE AND
RECORDING MEDIUM

Certificate
AUG 19 2005
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR §1.323

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 16, 2005

Sir:

Pursuant to 35 USC §254, Applicants respectfully request that a Certificate of Correction be issued in connection with the above-referenced application to correct the error noted on the attached Form PTO-1050.

Applicants submit that the above-referenced application issued as U.S. Patent No. 6,917,676 B2 in which the Assignee is erroneously identified as HITACHI, LTD. The correct Assignees are Hitachi Communication Technologies, Ltd., and Telecom Kiki, Ltd. The incorrect Assignee may have resulted from Applicants inadvertent listing of the incorrect Assignee on the Issue Fee Transmittal submitted with payment of the Issue Fee submitted on May 31, 2005.

Specifically, the May 31, 2005 Issue Fee Transmittal inadvertently identified one of the Assignees as Hitachi, Ltd. The correct Assignees are

Hitachi Communication Technologies, Ltd., and Telecom Kiki, Ltd., as per the Assignment recorded on December 10, 2001 at Reel 012368 and Frame 0004 and the Name Change document filed on April 15, 2005 and recorded on June 2, 2005 on Reel 016296 and Frame 0885. Copies of the Assignment Recordation documents for the recording of the Assignment and the Name Change documents are attached.


Applicants upon discovering this error attempted to correct the same by a Petition filed on June 9, 2005, a copy of which is attached. Apparently, the Petition was never acted on by the United States Patent and Trademark Office. The listing of the incorrect Assignee was inadvertent without any deceptive intent on the part of Applicants or anyone else involved with the prosecution of this patent.

Therefore, Applicants respectfully request in accordance with 37 CFR §1.323, that a Certificate of Correction be issued identifying the Assignees of the present patent as Hitachi Communication Technologies, Ltd., of Tokyo, Japan and Telecom Kiki, Ltd., of Fukushima-ken, Japan consistent with the Assignment of the present patent as noted above.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (648.40708X00).

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.



Carl I. Brundidge
Registration No. 29,621

CIB/jdc
(703) 684-1120

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 6,917,676

DATED: July 12, 2005

INVENTOR(s): T. YOSHIDA, et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

-- (73) Assignees: (1) HITACHI COMMUNICATION TECHNOLOGIES, LTD.,
Tokyo (JP);
(2) TELECOM KIKI, LTD., Fukushima-ken (JP) --

MAILING ADDRESS OF SENDER

Carl I. Brundidge, Esquire
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.
1800 Diagonal Road - Suite 370
Alexandria, VA 22314

PATENT NO: 6,917,676 B2

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

AUG 22 2005

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 6,917,676

DATED: July 12, 2005

INVENTOR(s): T. YOSHIDA, et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

-- (73) Assignees: (1) HITACHI COMMUNICATION TECHNOLOGIES, LTD.,
Tokyo (JP);
(2) TELECOM KIKI, LTD., Fukushima-ken (JP) --

MAILING ADDRESS OF SENDER

Carl I. Brundidge, Esquire
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.
1800 Diagonal Road -- Suite 370
Alexandria, VA 22314

PATENT NO: 6,917,676 B2

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

AUG 22 2005

PART B - FEE(S) TRANSMITTAL

648.40708X00

applicable fee(s), to: Mail

Mail Stop ISS FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
(703) 746-4000

or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address. If a new address is corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

020457 7590 02/28/2005

ANTONELLI, TERRY, STOUT & KRAUS, LLP
1300 NORTH SEVENTEENTH STREET
SUITE 1800
ARLINGTON, VA 22209-9889

Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

COPY

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,333	09/28/2001	Takahiro Yoshida	648.40708X00	2315

TITLE OF INVENTION: TELEPHONE SET, REPEATING DEVICE AND RECORDING MEDIUM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	05/31/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
DEANE JR, WILLIAM J	2642	379-207020

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys & agents OR, alternatively, Mattingly, Stanger, Malur & Brundidge, P.C.
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

HITACHI COMMUNICATION TECHNOLOGIES, LTD., Tokyo, JAPAN
TELECOM KIKI, LTD., Fukushima-ken, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment Deposit Account Number 50-1417 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other part interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date

Typed or printed name

Carl I. Brundidge

Registration No.

29,621

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 14 Alexandria, Virginia 22313-1450.

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648.40708X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): T. YOSHIDA, et al

Serial No.: 09/964,333

Filed: September 28, 2001

For: TELEPHONE SET, REPEATING DEVICE AND RECORDING
MEDIUM

COPY

**PETITION REQUESTING ISSUANCE OF APPLICATION IN NAME OF
CORRECT ASSIGNEE UNDER 37 CFR §3.81(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

June 9, 2005

Applicants are in receipt of the Notice of Allowance dated February 28, 2005 for which the Issue Fee was paid on May 31, 2005 for the above-referenced application. However, Applicants erroneously listed an incorrect Assignee on the Issue Fee Transmittal submitted with payment of the Issue Fee submitted on May 31, 2005.

Specifically, the May 31, 2005 Issue Fee Transmittal incorrectly identified the Assignee as Hitachi, Ltd. The correct Assignee is Hitachi Communication Technologies, Ltd., as per the Assignment recorded on December 10, 2001 at Reel 012368 and Frame 0004 and the Name Change document filed on April 15, 2005.

Therefore, Applicants are submitting herewith a corrected Issue Fee Transmittal having listed therein the correct Assignee to which the present application is assigned.

Accordingly, it is respectfully requested in accordance with 37 CFR §3.81(b), that the present application issue as a patent in the name of Hitachi Communication Technologies, Ltd., consistent with the Assignment of the present application as noted above.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (648.40708X00).

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.



Carl I. Brundidge
Registration No. 29,621

CIB/jdc
(703) 684-1120

PART B - FEE(S) TRANSMITTAL

648.40708X00



Complete and send this form, together with

applicable fee(s), to: Mail

Mail Stop ISS FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
(703) 746-4000

or Fax

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

020457

7590

02/28/2005

ANTONELLI, TERRY, STOUT & KRAUS, LLP
1300 NORTH SEVENTEENTH STREET
SUITE 1800
ARLINGTON, VA 22209-9889

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Certificate of Mailing or Transmission

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,333	09/28/2001	Takahiro Yoshida	648.40708X00	2315

TITLE OF INVENTION: TELEPHONE SET, REPEATING DEVICE AND RECORDING MEDIUM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	05/31/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
DEANE JR, WILLIAM J	2642	379-207020

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- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Mattingly, Stanger, Malur & Brundidge, P.C.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

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(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

HITACHI COMMUNICATION TECHNOLOGIES, LTD., Tokyo, JAPAN
TELECOM KIKI, LTD., Fukushima-ken, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment Deposit Account Number 80-1417 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party having a direct interest as shown by the records of the United States Patent and Trademark Office.

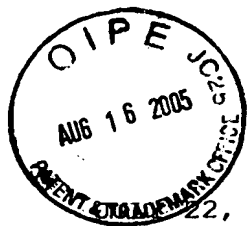
Authorized Signature _____

Date _____

Typed or printed name Carl I. BrundidgeRegistration No. 29,621

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

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22, 2005
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MATTINGLY, STANGER & MALUR, P.C.
CARL I. BRUNDIDGE
1800 DIAGONAL ROAD-SUITE 370
ALEXANDRIA, VA 22314

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/02/2005

REEL/FRAME: 016296/0885
NUMBER OF PAGES: 12

BRIEF: CHANGE OF CORRESPONDENCE ADDRESS

ASSIGNOR:

HITACHI TELECOM TECHNOLOGIES, LTD. DOC DATE: 10/01/2002

ASSIGNEE:

HITACHI COMMUNICATION
TECHNOLOGIES, LTD.
26-3, MINAMI-OI 6-CHOME, SHINAGAWA-
KU
TOKYO, JAPAN

SERIAL NUMBER: 09964333

FILING DATE: 09/28/2001

PATENT NUMBER: 6917676

ISSUE DATE: 07/12/2005

TITLE: TELEPHONE SET, REPEATING DEVICE AND RECORDING MEDIUM

016296/0885 PAGE 2

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08/02/2005

700181384

Form PTO-1595
(Rev. 08/04)
OMB No. 0651-0027 (exp. 6/30/2005)

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Attorney Docket No. 648.40708X00

To the U.S. Patents and Trademarks: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

HITACHI TELECOM TECHNOLOGIES, LTD.

Execution Date(s) October 1, 2002Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☒ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☒ Other: **CHANGE OF CORRESPONDENCE ADDRESS.**

2. Name and address of receiving party(ies)

Name: HITACHI COMMUNICATION TECHNOLOGIES, LTD.

Internal

Address: **26-3, Minami-Oi 6-chome, Shinagawa-ku**

Street Address:

City: **Tokyo, JAPAN** State: **Zip:**Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

09/964,333, filed September 28, 2001☐ This document is being filed together with a new application.

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No


6. Name and address of party to whom correspondence concerning document should be mailed:

Name: **MATTINGLY, STANGER & MALUR, P.C.**Internal Address: **1800 Diagonal Road - Suite 370**City **Alexandria** State: **VA** Zip **22314**

6. Total number of applications and patents involved

7. Total fee (37 CFR 3.41)..... **\$40.00**☒ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

50-1417 

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Carl I. Brundidge, Reg. No. 29,621

Name of Person Signing

Signature

April 15, 2005

Date

Total number of pages including cover sheet, attachments, and document:

Documents to be recorded (including cover sheet) should be faxed to (703) 366-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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2-19-2001



101921908

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LY

Docket No.: 648.40708X00

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

12.10.01

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takahiro YOSHIDA
Masaru NOJI
Takahiro SASAKI
Tadashi SAITOAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: October 29, 2001

2. Name and address of receiving party(ies):

Name: Hitachi Telecom Technologies Ltd./ Telecom Kiki,
Ltd.

Street Address: 94 Aza Funabamukai, Koriyama-shi

City: Fukushima-ken

Country: Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/964,333 Filed September 28, 2001

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

Street Address: 1300 North Seventeenth Street
Suite 1800

City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed
☒ Any deficiencies may be charged to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number: 01-2135

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*James N. Dresser

Name of Person Signing

Signature

December 10, 2001

Date

Attorney Registration No. 22,973

Total number of pages including cover sheet, attachments, and document: 2

OMB No. 0651-0011 (exp. 4/94)

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to HITACHI TELECOM TECHNOLOGIES, LTD. and TELECOM KIKI, LTD. of 94 Aza Funabamukai, Koriyama-shi, Fukushima-ken, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

TELEPHONE SET, REPEATING DEVICE AND RECORDING MEDIUM

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed by me even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI TELECOM TECHNOLOGIES, LTD. and TELECOM KIKI, LTD., its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI TELECOM TECHNOLOGIES, LTD. and TELECOM KIKI, LTD.

- | | (Full Name) | (Signature) |
|---|---|--------------------------|
| 1) Date <u>29. Oct. 2001</u> Inventor <u>Takahiro YOSHIDA</u> | <u>Takahiro Yoshida</u> | |
| Residence <u>Same as Post Office Address</u> | <u>c/o Hitachi Telecom Technologies, Ltd.</u> | Citizenship <u>Japan</u> |
| Post Office Address <u>94 Aza Funabamukai, Koriyama-shi, Fukushima-ken, Japan</u> | | |
| 2) Date <u>29. Oct. 2001</u> Inventor <u>Masaru NOJI</u> | <u>Masaru Noji</u> | |
| Residence <u>Same as Post Office Address</u> | <u>c/o Telecom Kiki, Ltd.</u> | Citizenship <u>Japan</u> |
| Post Office Address <u>94 Aza Funabamukai, Koriyama-shi, Fukushima-ken, Japan</u> | | |
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Witness(es)

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